
Water Quality Status Report No. 118

Ground Water Study
of the Lower
Boise River Valley
Ada and Canyon Counties, Idaho

Idaho Department of
Health and Welfare
Division of Environmental Quality
May 1996

APPENDIX D

Table 10

Pesticide Results

Headnotes for Tables 8, 9, 10, and 11

Well Location: well location in latitude and longitude or township, range and section

Primary Use of Water:

H domestic
I irrigation
P public supply
C commercial
D dewater
S stock
F fire

Units of Measure:

°C	degrees celsius
US/CM	microsiemens per centimeter at 25 °C
<	less than
>	greater than
MG/L	milligrams per liter
STAND UNITS	standard units
MG/L as N	milligrams per liter as nitrogen
DISS	dissolved
MG/L as PO4	milligrams per liter as phosphate
MG/L as P	milligrams per liter as phosphorus
COL/100 ML	colonies per 100 milliliters
PCI/L	picocuries per liter
UG/L	micrograms per liter
H2O	water
REC	recoverable
GF	glass fiber filter
FLT	filtered
U	micron (filter pore size)
ND	non-detect
*	results from Dept. of Ag study
MG/L as CaCO3	milligrams per liter as calcium carbonate
MG/L as CA	milligrams per liter as calcium
MG/L as MG	milligrams per liter as magnesium
MG/L as NA	milligrams per liter as sodium
MG/L as K	milligrams per liter as potassium
MG/L as CL	milligrams per liter as chloride
MG/L as SO4	milligrams per liter as sulfate
MG/L as F	milligrams per liter as fluoride
MG/L as SiO2	milligrams per liter as silica
UG/L as AS	micrograms per liter as arsenic
UG/L as CD	micrograms per liter as cadmium
UG/L as CR	micrograms per liter as chromium
UG/L as FE	micrograms per liter as iron

Units of Measure continued:

UG/L as PB	micrograms per liter as lead
UG/L as MN	micrograms per liter as manganese
UG/L as ZN	micrograms per liter as zinc
UG/L as SE	micrograms per liter as selenium

Empty Box: no information available

Volatile Organic Compounds (VOCs) were analyzed at every site with a portable gas chromatograph for presence or absence. Sites with VOCs present had duplicates sent to Alpha Analytical Laboratory in Sparks, Nevada, those results can be found in Table 9.

Pesticide Results of Sites Sampled by DEQ and USGS

Table 10

	A	B	C	D	E	F	G	H
	LATITUDE	LONGITUDE	TOWNSHIP RANGE & SECTION	DATE SAMPLED	DEPTH OF WELL (FEET)	TEMP WATER (°C)	SP COND (US/CM)	NO2 + NO3 AS N DISS (MG/L as N)
1								
2								
3								
4								
5								
6								
7								
8	43°32'40"	116°23'54"	02N 01W 01ABD1	08-23-95	200.00	15.00	594.00	4.80
9	43°32'46"	116°25'54"	02N 01W 02BBA1	07-13-95	104.00	14.50	649.00	4.40
10	43°31'43"	116°24'51"	02N 01W 11ADA1	08-03-95	190.00	12.50	794.00	6.50
11	43°38'02"	116°19'48"	03N 01E 03BBA1	08-18-95	117.00	21.50	352.00	0.71
12	43°36'07"	116°18'33"	03N 01E 14BBD1	07-05-95	183.00	14.50	655.00	2.80
13	43°34'17"	116°17'27"	03N 01E 25BCB1	08-06-95	117.00	13.00	568.00	3.00
14	43°37'37"	116°37'07"	03N 02W 06ACD1	09-08-95	87.00	13.50	965.00	15.00
15	43°32'49"	116°31'35"	03N 02W 36CDC1	07-25-95	90.00	15.50	812.00	5.20
16	43°43'15"	116°23'32"	04N 01E 06BBB1	07-17-95	67.00	15.00	414.00	4.20
17	43°42'23"	116°18'39"	04N 01E 11BBB1	07-17-95	203.00	16.50	994.00	7.40
18	43°38'53"	116°23'01"	04N 01E 31ABBB2	09-25-95	84.00	12.50	688.00	6.50
19	43°41'51"	116°36'42"	04N 02W 12CBC1	07-12-95	155.00	13.50	175.00	0.51
20	43°39'08"	116°36'42"	04N 02W 29CCB1	07-20-95	130.00	14.50	144.00	0.47
21	43°39'35"	116°36'47"	04N 02W 30ADA1	08-22-95	80.00	15.00	224.00	0.67
22	43°42'10"	116°42'27"	04N 03W 09BBD1	07-25-95	200.00	15.00	686.00	3.40
23	43°40'04"	116°38'36"	04N 03W 13BAA1	08-13-95	185.00	15.50	120.00	0.16
24	43°43'31"	116°21'36"	05N 01E 32DBD1	08-07-95	128.00	14.00	275.00	1.90
25	43°43'21"	116°19'08"	05N 01E 34DCD1	08-06-95	54.00	13.50	926.00	11.00
26	43°43'45"	116°26'15"	05N 01W 34ACDA1	09-06-95	120.00	13.50	613.00	15.00
27	43°43'45"	116°26'15"	05N 01W 34DBAD1	09-06-95	74.00	13.50	794.00	37.00
28	43°43'45"	116°26'15"	05N 01W 34DBAD2	09-13-95	72.60	13.50	825.00	36.00

Pesticide Results of Sites Sampled by DEQ and USGS

Table 10

	I	J	K	L	M	N	O	P	Q	R
	PROP- CHLOR, H2O,DISS REC (UG/L)	BUTYL- ATE, H2O,DISS REC (UG/L)	SI- MAZINE, H2O,DISS REC (UG/L)	PRO- METON, H2O,DISS REC (UG/L)	DEETHYL ATRA- ZINE, H2O,DISS REC (UG/L)	CYANA- ZINE H2O,DISS REC (UG/L)	FONOFOS H2O,DISS REC (UG/L)	ALPHA BHC DISS (UG/L)	P,P' DDE DISS (UG/L)	CHLOR- PYRIFOS DISS (UG/L)
1										
2										
3										
4										
5										
6										
7										
8	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND
9	ND	ND	0.00	ND	0.05	ND	ND	ND	ND	ND
10	ND	ND	ND	ND	0.06	ND	ND	ND	ND	ND
11	ND	ND	ND	ND	0.00	ND	ND	ND	ND	ND
12	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND
13	ND	ND	0.05	ND	0.11	ND	ND	ND	ND	ND
14	ND	ND	0.00	ND	0.02	ND	ND	ND	ND	ND
15	ND	ND	ND	ND	0.07	ND	ND	ND	ND	ND
16	ND	ND	0.01	0.04	0.00	ND	ND	ND	ND	ND
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	ND	ND	0.02	0.28	0.09	ND	ND	ND	ND	ND
19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	ND	ND	0.00	ND	0.00	ND	ND	ND	ND	ND
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	ND	ND	ND	ND	0.04	ND	ND	ND	ND	ND
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26										
27										
28	ND	ND	ND	ND	0.02	ND	ND	ND	0.00	ND

Pesticide Results of Sites Sampled by DEQ and USGS

Table 10

	S	T	U	V	W	X	Y	Z	AA	AB
	LINDANE DISS (UG/L)	DI- ELDRIN DISS (UG/L)	METO- LACHLOR H2O,DISS (UG/L)	MALA- THION, DISS (UG/L)	PARA- THION, DISS (UG/L)	DI- AZINON, DISS (UG/L)	ATRA- ZINE H2O,DISS (UG/L)	ALA- CHLOR, H2O,DISS REC (UG/L)	ACETO CHLORO H2O-FLT REC (UG/L)	METRI- BUZIN SENCOR H2O,DISS (UG/L)
1										
2										
3										
4										
5										
6										
7										
8	ND	ND	ND	ND	ND	ND	0.04	ND	ND	ND
9	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND
10	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND
11	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND
12	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND
13	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND
14	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND
15	ND	ND	ND	ND	ND	ND	0.08	ND		ND
16	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND
19	ND	ND	ND	ND	ND	ND	0.00	ND	ND	ND
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	ND	ND	ND	ND	ND	ND	0.06	ND	ND	ND
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26										
27										
28	ND	ND	ND	ND	ND	ND	0.02	ND	ND	0.08

Pesticide Results of Sites Sampled by DEQ and USGS

Table 10

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1	2,6-DI-	TRI-	ETHAL-	PHORATE	TER-	LINURON	METHYL	EPTC	PEBULATE	TEBU-
2	ETHYL	FLUR-	FLUR-	H2O,FLT	BACILL	H2O,FLT	PARA-	H2O,FLT	H2O,FLT	THUIRON
3	ANILINE	ALIN	ALIN	0.7 U	H2O,FLT	0.7 U	THION	0.7 U	0.7 U	H2O,FLT
4	H2O-FLT	H2O-FLT	H2O-FLT	GF,REC	0.7 U	GF,REC	H2O,FLT	GF,REC	GF,REC	0.7 U
5	0.7 U	0.7 U	0.7 U	(UG/L)	GF,REC	(UG/L)	0.7 U	(UG/L)	(UG/L)	GF,REC
6	GF,REC	GF,REC	GF,REC		(UG/L)		GF,REC			(UG/L)
7	(UG/L)	(UG/L)	(UG/L)				(UG/L)			
8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26										
27										
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Pesticide Results of Sites Sampled by DEQ and USGS

Table 10

	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1	MOLINATE	ETHOPROP	BENFLUR-	CARBO-	TERBUFOS	PRON-	DISUL-	TRAIL-	PRO-
2	H2O,FLT	H2O,FLT	ALIN	FURAN	H2O,FLT	AMIDE	FOTON	LATE	PANIL
3	0.7 U	0.7 U	H2O,FLT	H2O,FLT	0.7 U	H2O,FLT	H2O,FLT	H2O,FLT	H2O,FLT
4	GF,REC	GF,REC	0.7 U	0.7 U	(UG/L)	0.7 U	0.7 U	0.7 U	0.7 U
5	(UG/L)	(UG/L)	GF,REC	GF,REC		GF,REC	GF,REC	GF,REC	GF,REC
6			(UG/L)	(UG/L)		(UG/L)	(UG/L)	(UG/L)	(UG/L)
7									
8	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	ND	ND	ND	ND	ND	ND	ND	ND	ND
26									
27									
28	ND	ND	ND	ND	ND	ND	ND	ND	ND

Pesticide Results of Sites Sampled by DEQ and USGS

Table 10

	AV	AW	AX	AY	AZ	BA	BB	BC
1	CAR-	THIO-	DCPA	PENDI-	NAPROP-	PRO-	METHYL-	PER-
2	BARYL	BENCARB	DACTHAL	METH-	AMIDE	PARGITE	AZINPHOS	METHRIN
3	H2O,FLT	H2O,FLT	H2O,FLT	ALIN	H2O,FLT	H2O,FLT	H2O,FLT	CIS
4	0.7 U	0.7 U	0.7 U	H2O,FLT	0.7 U	0.7 U	0.7 U	H2O,FLT
5	GF,REC	GF,REC	GF,REC	0.7 U	GF,REC	GF,REC	GF,REC	0.7 U
6	(UG/L)	(UG/L)	(UG/L)	GF,REC	(UG/L)	(UG/L)	(UG/L)	GF,REC
7				(UG/L)				(UG/L)
8	ND	ND	ND	ND	ND	ND	ND	ND
9	ND	ND	ND	ND	ND	ND	ND	ND
10	ND	ND	ND	ND	ND	ND	ND	ND
11	ND	ND	ND	ND	ND	ND	ND	ND
12	ND	ND	ND	ND	ND	ND	ND	ND
13	ND	ND	ND	ND	ND	ND	ND	ND
14	ND	ND	ND	ND	ND	ND	ND	ND
15	ND	ND	ND	ND	ND	ND	ND	ND
16	ND	ND	ND	ND	ND	ND	ND	ND
17	ND	ND	ND	ND	ND	ND	ND	ND
18	ND	ND	ND	ND	ND	ND	ND	ND
19	ND	ND	ND	ND	ND	ND	ND	ND
20	ND	ND	ND	ND	ND	ND	ND	ND
21	ND	ND	ND	ND	ND	ND	ND	ND
22	ND	ND	ND	ND	ND	ND	ND	ND
23	ND	ND	ND	ND	ND	ND	ND	ND
24	ND	ND	ND	ND	ND	ND	ND	ND
25	ND	ND	ND	ND	ND	ND	ND	ND
26			*38					
27			*110					
28	ND	ND	ND	ND	ND	ND	ND	ND